Lok Kumar Shrestha

List of Publications by Year
in descending order

520 papers	42,385 citations	1530 106 h-index	3563 181 g-index
534 all docs	534 docs citations	534 times ranked	31775 citing authors

#	Article	IF	Citations
1	Assembly of Multicomponent Protein Films by Means of Electrostatic Layer-by-Layer Adsorption. Journal of the American Chemical Society, 1995, 117, 6117-6123.	6.6	1,382
2	Layer-by-layer assembly as a versatile bottom-up nanofabrication technique for exploratory research and realistic application. Physical Chemistry Chemical Physics, 2007, 9, 2319.	1.3	1,143
3	Layer-by-layer Nanoarchitectonics: Invention, Innovation, and Evolution. Chemistry Letters, 2014, 43, 36-68.	0.7	813
4	A new family of carbon materials: synthesis of MOF-derived nanoporous carbons and their promising applications. Journal of Materials Chemistry A, 2013, 1, 14-19.	5.2	739
5	Challenges and breakthroughs in recent research on self-assembly. Science and Technology of Advanced Materials, 2008, 9, 014109.	2.8	695
6	Nanoarchitectonics for Mesoporous Materials. Bulletin of the Chemical Society of Japan, 2012, 85, 1-32.	2.0	650
7	Nanoporous carbons through direct carbonization of a zeolitic imidazolate framework for supercapacitor electrodes. Chemical Communications, 2012, 48, 7259.	2.2	624
8	Direct Carbonization of Al-Based Porous Coordination Polymer for Synthesis of Nanoporous Carbon. Journal of the American Chemical Society, 2012, 134, 2864-2867.	6.6	588
9	Direct Synthesis of MOFâ€Derived Nanoporous Carbon with Magnetic Co Nanoparticles toward Efficient Water Treatment. Small, 2014, 10, 2096-2107.	5.2	588
10	Templated Synthesis for Nanoarchitectured Porous Materials. Bulletin of the Chemical Society of Japan, 2015, 88, 1171-1200.	2.0	512
11	Assembling Alternate Dyeâ^'Polyion Molecular Films by Electrostatic Layer-by-Layer Adsorption. Journal of the American Chemical Society, 1997, 119, 2224-2231.	6.6	503
12	Nanoarchitectonics for Dynamic Functional Materials from Atomicâ€/Molecularâ€Level Manipulation to Macroscopic Action. Advanced Materials, 2016, 28, 1251-1286.	11.1	441
13	Alternate Assembly of Ordered Multilayers of SiO2and Other Nanoparticles and Polyions. Langmuir, 1997, 13, 6195-6203.	1.6	435
14	25th Anniversary Article: What Can Be Done with the Langmuirâ€Blodgett Method? Recent Developments and its Critical Role in Materials Science. Advanced Materials, 2013, 25, 6477-6512.	11.1	411
15	Molecular Recognition at Airâ^'Water and Related Interfaces:Â Complementary Hydrogen Bonding and Multisite Interaction. Accounts of Chemical Research, 1998, 31, 371-378.	7.6	406
16	Layer-by-layer self-assembled shells for drug delivery. Advanced Drug Delivery Reviews, 2011, 63, 762-771.	6.6	404
17	Redox-Active Polymers for Energy Storage Nanoarchitectonics. Joule, 2017, 1, 739-768.	11.7	400
18	Mechanical Control of Nanomaterials and Nanosystems. Advanced Materials, 2012, 24, 158-176.	11.1	389

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19	Enzyme nanoarchitectonics: organization and device application. Chemical Society Reviews, 2013, 42, 6322.	18.7	376
20	Molecular recognition: from solution science to nano/materials technology. Chemical Society Reviews, 2012, 41, 5800.	18.7	371
21	Two-Dimensional (2D) Nanomaterials towards Electrochemical Nanoarchitectonics in Energy-Related Applications. Bulletin of the Chemical Society of Japan, 2017, 90, 627-648.	2.0	369
22	Forming nanomaterials as layered functional structures toward materials nanoarchitectonics. NPG Asia Materials, 2012, 4, e17-e17.	3.8	366
23	Self-assembly as a key player for materials nanoarchitectonics. Science and Technology of Advanced Materials, 2019, 20, 51-95.	2.8	322
24	Gold Nanoparticles Embedded in a Mesoporous Carbon Nitride Stabilizer for Highly Efficient Threeâ€Component Coupling Reaction. Angewandte Chemie - International Edition, 2010, 49, 5961-5965.	7.2	321
25	Porphyrin-based sensor nanoarchitectonics in diverse physical detection modes. Physical Chemistry Chemical Physics, 2014, 16, 9713.	1.3	319
26	Amphiphile nanoarchitectonics: from basic physical chemistry to advanced applications. Physical Chemistry Chemical Physics, 2013, 15, 10580.	1.3	311
27	Nanoarchitectonics: A Conceptual Paradigm for Design and Synthesis of Dimension-Controlled Functional Nanomaterials. Journal of Nanoscience and Nanotechnology, 2011, 11, 1-13.	0.9	309
28	Layerâ€byâ€Layer Films of Graphene and Ionic Liquids for Highly Selective Gas Sensing. Angewandte Chemie - International Edition, 2010, 49, 9737-9739.	7.2	296
29	Electrochemical nanoarchitectonics and layer-by-layer assembly: From basics to future. Nano Today, 2015, 10, 138-167.	6.2	284
30	Advances in Biomimetic and Nanostructured Biohybrid Materials. Advanced Materials, 2010, 22, 323-336.	11.1	275
31	Nanoarchitectonics: a new materials horizon for nanotechnology. Materials Horizons, 2015, 2, 406-413.	6.4	270
32	Chemistry Can Make Strict and Fuzzy Controls for Bio-Systems: DNA Nanoarchitectonics and Cell-Macromolecular Nanoarchitectonics. Bulletin of the Chemical Society of Japan, 2017, 90, 967-1004.	2.0	257
33	Synthesis of Nanoporous Carbonâ€“Cobaltâ€Oxide Hybrid Electrocatalysts by Thermal Conversion of Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2014, 20, 4217-4221.	1.7	253
34	Sequential actions of glucose oxidase and peroxidase in molecular films assembled by layer-by-layer alternate adsorption. , 1996, 51, 163-167.		243
35	The Way to Nanoarchitectonics and the Way of Nanoarchitectonics. Advanced Materials, 2016, 28, 989-992.	11.1	242
36	Bioactive nanocarbon assemblies: Nanoarchitectonics and applications. Nano Today, 2014, 9, 378-394.	6.2	236

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37	Natural Tubule Clay Template Synthesis of Silver Nanorods for Antibacterial Composite Coating. ACS Applied Materials & Interfaces, 2011, 3, 4040-4046.	4.0	235
38	Directing Assembly and Disassembly of 2D MoS₂ Nanosheets with DNA for Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 15286-15296.	4.0	232
39	A careful examination of the adsorption step in the alternate layer-by-layer assembly of linear polyanion and polycation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 146, 337-346.	2.3	229
40	Nanoarchitectonics: what's coming next after nanotechnology?. Nanoscale Horizons, 2021, 6, 364-378.	4.1	221
41	Molecular Recognition of Nucleotides by the Guanidinium Unit at the Surface of Aqueous Micelles and Bilayers. A Comparison of Microscopic and Macroscopic Interfaces. Journal of the American Chemical Society, 1996, 118, 8524-8530.	6.6	219
42	Soft Langmuirâ€“Blodgett Technique for Hard Nanomaterials. Advanced Materials, 2009, 21, 2959-2981.	11.1	219
43	Molecular Imprinting: Materials Nanoarchitectonics with Molecular Information. Bulletin of the Chemical Society of Japan, 2018, 91, 1075-1111.	2.0	215
44	Regulation of Î²-Sheet Structures within Amyloid-Like Î²-Sheet Assemblage from Tripeptide Derivatives. Journal of the American Chemical Society, 1998, 120, 12192-12199.	6.6	208
45	Layered Paving of Vesicular Nanoparticles Formed with Cerasome as a Bioinspired Organicâˆ’Inorganic Hybrid. Journal of the American Chemical Society, 2002, 124, 7892-7893.	6.6	208
46	Inorganic Nanoarchitectonics for Biological Applications. Chemistry of Materials, 2012, 24, 728-737.	3.2	206
47	What are the emerging concepts and challenges in NANO? Nanoarchitectonics, hand-operating nanotechnology and mechanobiology. Polymer Journal, 2016, 48, 371-389.	1.3	205
48	Fullerene Nanoarchitectonics: From Zero to Higher Dimensions. Chemistry - an Asian Journal, 2013, 8, 1662-1679.	1.7	198
49	Preparation of Highly Ordered Nitrogenâ€Containing Mesoporous Carbon from a Gelatin Biomolecule and its Excellent Sensing of Acetic Acid. Advanced Functional Materials, 2012, 22, 3596-3604.	7.8	194
50	Sequential reaction and product separation on molecular films of glucoamylase and glucose oxidase assembled on an ultrafilter. Journal of Bioscience and Bioengineering, 1996, 82, 502-506.	0.9	190
51	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. Angewandte Chemie - International Edition, 2016, 55, 8228-8234.	7.2	184
52	Solvent Engineering for Shape-Shifter <i>Pure</i> Fullerene (C₆₀). Journal of the American Chemical Society, 2009, 131, 6372-6373.	6.6	183
53	Activity and stability of glucose oxidase in molecular films assembled alternately with polyions. Journal of Bioscience and Bioengineering, 1999, 87, 69-75.	1.1	181
54	Coordination chemistry and supramolecular chemistry in mesoporous nanospace. Coordination Chemistry Reviews, 2007, 251, 2562-2591.	9.5	179

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55	Nanoarchitectonics beyond Selfâ€Assembly: Challenges to Create Bioâ€Like Hierarchic Organization. Angewandte Chemie - International Edition, 2020, 59, 15424-15446.	7.2	176
56	Layer-by-Layer Assembly of Alternate Protein/Polyion Ultrathin Films. Chemistry Letters, 1994, 23, 2323-2326.	0.7	172
57	Thinâ€Filmâ€Based Nanoarchitectures for Soft Matter: Controlled Assemblies into Twoâ€Dimensional Worlds. Small, 2011, 7, 1288-1308.	5.2	169
58	Mechanical Control of Enantioselectivity of Amino Acid Recognition by Cholesterol-Armed Cyclen Monolayer at the Air-Water Interface. Journal of the American Chemical Society, 2006, 128, 14478-14479.	6.6	166
59	MOF-derived Nanoporous Carbon as Intracellular Drug Delivery Carriers. Chemistry Letters, 2014, 43, 717-719.	0.7	165
60	Catalytic nanoarchitectonics for environmentally compatible energy generation. Materials Today, 2016, 19, 12-18.	8.3	163
61	Hierarchical supramolecular fullerene architectures with controlled dimensionality. Chemical Communications, 2005, , 5982.	2.2	156
62	Materials nanoarchitectonics for environmental remediation and sensing. Journal of Materials Chemistry, 2012, 22, 2369-2377.	6.7	156
63	The Past and the Future of Langmuir and Langmuirâ€"Blodgett Films. Chemical Reviews, 2022, 122, 6459-6513.	23.0	155
64	All-Metal Layer-by-Layer Films: Bimetallic Alternate Layers with Accessible Mesopores for Enhanced Electrocatalysis. Journal of the American Chemical Society, 2012, 134, 10819-10821.	6.6	154
65	Formation of wormlike micelle in a mixed amino-acid based anionic surfactant and cationic surfactant systems. Journal of Colloid and Interface Science, 2007, 311, 276-284.	5.0	151
66	Steric hindrance-enforced distortion as a general strategy for the design of fluorescence â€œturn-onâ€• cyanide probes. Chemical Communications, 2013, 49, 10136.	2.2	151
67	Supramolecular Chiral Nanoarchitectonics. Advanced Materials, 2020, 32, e1905657.	11.1	150
68	Nanoarchitectonics for Hybrid and Related Materials for Bioâ€Oriented Applications. Advanced Functional Materials, 2018, 28, 1702905.	7.8	149
69	Photocatalytic Water Splitting under Visible Light by Mixed-Valence Sn₃O₄. ACS Applied Materials & Interfaces, 2014, 6, 3790-3793.	4.0	148
70	Two-dimensional nanoarchitectonics based on self-assembly. Advances in Colloid and Interface Science, 2010, 154, 20-29.	7.0	146
71	Langmuir-Blodgett films of an enzyme-lipid complex for sensor membranes. Langmuir, 1988, 4, 1373-1375.	1.6	145
72	A Condensable Amphiphile with a Cleavable Tail as a â€œLizardâ€• Template for the Solâˆ'Gel Synthesis of Functionalized Mesoporous Silica. Journal of the American Chemical Society, 2004, 126, 988-989.	6.6	145

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73	Large pore cage type mesoporous carbon, carbon nanocage: a superior adsorbent for biomaterials. Journal of Materials Chemistry, 2005, 15, 5122.	6.7	144
74	Electrochemical-Coupling Layer-by-Layer (ECCâ€“LbL) Assembly. Journal of the American Chemical Society, 2011, 133, 7348-7351.	6.6	144
75	Layer-by-Layer Films of Dual-Pore Carbon Capsules with Designable Selectivity of Gas Adsorption. Journal of the American Chemical Society, 2009, 131, 4220-4221.	6.6	143
76	Donâ€™t Forget Langmuirâ€“Blodgett Films 2020: Interfacial Nanoarchitectonics with Molecules, Materials, and Living Objects. Langmuir, 2020, 36, 7158-7180.	1.6	143
77	Preparation and Characterization of a Novel Organicâ€“Inorganic Nanohybrid â€œCerasomeâ€•Formed with a Liposomal Membrane and Silicate Surface. Chemistry - A European Journal, 2007, 13, 5272-5281.	1.7	142
78	Stimuli-Free Auto-Modulated Material Release from Mesoporous Nanocompartment Films. Journal of the American Chemical Society, 2008, 130, 2376-2377.	6.6	142
79	Piezoluminescence Based on Molecular Recognition by Dynamic Cavity Array of Steroid Cyclophanes at the Airâˆ’Water Interface. Journal of the American Chemical Society, 2000, 122, 7835-7836.	6.6	141
80	Fullerene Crystals with Bimodal Pore Architectures Consisting of Macropores and Mesopores. Journal of the American Chemical Society, 2013, 135, 586-589.	6.6	141
81	A Layered Mesoporous Carbon Sensor Based on Nanoporeâ€Filling Cooperative Adsorption in the Liquid Phase. Angewandte Chemie - International Edition, 2008, 47, 7254-7257.	7.2	140
82	A grapheneâ€“polyurethane composite hydrogel as a potential bioink for 3D bioprinting and differentiation of neural stem cells. Journal of Materials Chemistry B, 2017, 5, 8854-8864.	2.9	139
83	Polymeric Micelle Assembly for Preparation of Large-Sized Mesoporous Metal Oxides with Various Compositions. Langmuir, 2014, 30, 651-659.	1.6	138
84	Hierarchically Structured Fullerene C₇₀ Cube for Sensing Volatile Aromatic Solvent Vapors. ACS Nano, 2016, 10, 6631-6637.	7.3	137
85	One-Pot Separation of Tea Components through Selective Adsorption on Pore-Engineered Nanocarbon, Carbon Nanocage. Journal of the American Chemical Society, 2007, 129, 11022-11023.	6.6	134
86	Flowerâ€Shaped Supramolecular Assemblies: Hierarchical Organization of a Fullerene Bearing Long Aliphatic Chains. Small, 2007, 3, 2019-2023.	5.2	134
87	Piezoluminescence at the Airâˆ’Water Interface through Dynamic Molecular Recognition Driven by Lateral Pressure Application. Langmuir, 2005, 21, 976-981.	1.6	131
88	Room Temperature Liquid Fullerenes:Â An Uncommon Morphology of C60Derivatives. Journal of the American Chemical Society, 2006, 128, 10384-10385.	6.6	131
89	A Polymerâ€Electrolyteâ€Based Atomic Switch. Advanced Functional Materials, 2011, 21, 93-99.	7.8	130
90	Bioinspired nanoarchitectonics as emerging drug delivery systems. New Journal of Chemistry, 2014, 38, 5149-5163.	1.4	128

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91	Three-Dimensional Cage Type Mesoporous CN-Based Hybrid Material with Very High Surface Area and Pore Volume. Chemistry of Materials, 2007, 19, 4367-4372.	3.2	127
92	Perfectly Straight Nanowires of Fullerenes Bearing Long Alkyl Chains on Graphite. Journal of the American Chemical Society, 2006, 128, 6328-6329.	6.6	123
93	Preparation of Organic-Inorganic Hybrid Vesicle â€œCerasomeâ€•Derived from Artificial Lipid with Alkoxysilyl Head. Chemistry Letters, 1999, 28, 661-662.	0.7	122
94	Layer-by-Layer Self-Assembling of Liposomal Nanohybrid â€œCerasomeâ€•on Substrates. Langmuir, 2002, 18, 6709-6711.	1.6	122
95	Immobilization of Biomaterials to Nano-Assembled Films (Self-Assembled Monolayers,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58 Nanoscience and Nanotechnology, 2006, 6, 2278-2301.	0.9	122
96	Soft 2D nanoarchitectonics. NPG Asia Materials, 2018, 10, 90-106.	3.8	121
97	Highly Ordered 1D Fullerene Crystals for Concurrent Control of Macroscopic Cellular Orientation and Differentiation toward Largeâ€Scale Tissue Engineering. Advanced Materials, 2015, 27, 4020-4026.	11.1	119
98	Dimensionally integrated nanoarchitectonics for a novel composite from 0D, 1D, and 2D nanomaterials: RGO/CNT/CeO₂ternary nanocomposites with electrochemical performance. Journal of Materials Chemistry A, 2014, 2, 18480-18487.	5.2	118
99	Layer-by-layer architectures of concanavalin A by means of electrostatic and biospecific interactions. Journal of the Chemical Society Chemical Communications, 1995, , 2313.	2.0	116
100	Nanoporous Carbon Tubes from Fullerene Crystals as the Ï€â€Electron Carbon Source. Angewandte Chemie - International Edition, 2015, 54, 951-955.	7.2	116
101	Mechanical Tuning of Molecular Recognition To Discriminate the Single-Methyl-Group Difference between Thymine and Uracil. Journal of the American Chemical Society, 2010, 132, 12868-12870.	6.6	113
102	Layerâ€byâ€Layer Assembly: Recent Progress from Layered Assemblies to Layered Nanoarchitectonics. Chemistry - an Asian Journal, 2019, 14, 2553-2566.	1.7	113
103	Molecular Recognition of Aqueous Dipeptides at Multiple Hydrogen-Bonding Sites of Mixed Peptide Monolayers. Journal of the American Chemical Society, 1996, 118, 9545-9551.	6.6	112
104	Vortex-Aligned Fullerene Nanowhiskers as a Scaffold for Orienting Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 15667-15673.	4.0	112
105	Theoretical Study of Intermolecular Interaction at the Lipidâ^'Water Interface. 1. Quantum Chemical Analysis Using a Reaction Field Theory. Journal of Physical Chemistry B, 1997, 101, 4810-4816.	1.2	111
106	Putting the â€˜Nâ€™ in ACENE: Pyrazinacenes and their structural relatives. Organic and Biomolecular Chemistry, 2011, 9, 5005.	1.5	111
107	Langmuir Nanoarchitectonics from Basic to Frontier. Langmuir, 2019, 35, 3585-3599.	1.6	111
108	Carbon nanocage: a large-pore cage-type mesoporous carbon material as an adsorbent for biomolecules. Journal of Porous Materials, 2006, 13, 379-383.	1.3	107

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109	Layer-by-layer assembly for drug delivery and related applications. Expert Opinion on Drug Delivery, 2011, 8, 633-644.	2.4	107
110	Biomaterials and Biofunctionality in Layered Macromolecular Assemblies. Macromolecular Bioscience, 2008, 8, 981-990.	2.1	106
111	NMR spectroscopic detection of chirality and enantiopurity in referenced systems without formation of diastereomers. Nature Communications, 2013, 4, 2188.	5.8	103
112	Formation of metal clusters in halloysite clay nanotubes. Science and Technology of Advanced Materials, 2017, 18, 147-151.	2.8	102
113	Selfâ€Construction from 2D to 3D: Oneâ€Pot Layerâ€byâ€Layer Assembly of Graphene Oxide Sheets Held Together by Coordination Polymers. Angewandte Chemie - International Edition, 2016, 55, 8426-8430.	7.2	101
114	Nanoarchitectonics: a navigator from materials to life. Materials Chemistry Frontiers, 2017, 1, 208-211.	3.2	100
115	Mechanochemical Tuning of the Binaphthyl Conformation at the Airâ€“Water Interface. Angewandte Chemie - International Edition, 2015, 54, 8988-8991.	7.2	97
116	Molecular Recognition of Aqueous Dipeptides by Noncovalently Aligned Oligoglycine Units at the Air/Water Interface. Journal of the American Chemical Society, 1995, 117, 11833-11838.	6.6	95
117	Nanoarchitectonics: Pioneering a New Paradigm for Nanotechnology in Materials Development. Advanced Materials, 2012, 24, 150-151.	11.1	95
118	Nanoarchitectonics for carbon-material-based sensors. Analyst, The, 2016, 141, 2629-2638.	1.7	95
119	Anion-Complexation-Induced Stabilization of Charge Separation. Journal of the American Chemical Society, 2009, 131, 16138-16146.	6.6	93
120	Block-Copolymer-Nanowires with Nanosized Domain Segregation and High Charge Mobilities as Stacked p/n Heterojunction Arrays for Repeatable Photocurrent Switching. Journal of the American Chemical Society, 2009, 131, 18030-18031.	6.6	93
121	Chiral Sensing by Nonchiral Tetrapyrroles. Accounts of Chemical Research, 2015, 48, 521-529.	7.6	93
122	Tunable, Functional Carbon Spheres Derived from Rapid Synthesis of Resorcinol-Formaldehyde Resins. ACS Applied Materials & Interfaces, 2014, 6, 10649-10655.	4.0	91
123	Theoretical Study of Intermolecular Interaction at the Lipidâˆ’Water Interface. 2. Analysis Based on the Poissonâˆ’Boltzmann Equation. Journal of Physical Chemistry B, 1997, 101, 4817-4825.	1.2	90
124	A Bottom-Up Approach toward Fabrication of Ultrathin PbS Sheets. Nano Letters, 2013, 13, 409-415.	4.5	90
125	Selective sensing performance of mesoporous carbon nitride with a highly ordered porous structure prepared from 3-amino-1,2,4-triazine. Journal of Materials Chemistry A, 2013, 1, 2913.	5.2	90
126	Open-Mouthed Metallic Microcapsules: Exploring Performance Improvements at Agglomeration-Free Interiors. Journal of the American Chemical Society, 2010, 132, 14415-14417.	6.6	89

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127	Highly Crystalline and Conductive Nitrogenâ€Doped Mesoporous Carbon with Graphitic Walls and Its Electrochemical Performance. Chemistry - A European Journal, 2011, 17, 3390-3397.	1.7	89
128	Molecular Patterning of a Guanidinium/Orotate Mixed Monolayer through Molecular Recognition with Flavin Adenine Dinucleotide. Langmuir, 1997, 13, 519-524.	1.6	88
129	Enzyme-Encapsulated Layer-by-Layer Assemblies: Current Status and Challenges Toward Ultimate Nanodevices. Advances in Polymer Science, 2010, , 51-87.	0.4	88
130	Indium Oxide/Carbon Nanotube/Reduced Graphene Oxide Ternary Nanocomposite with Enhanced Electrochemical Supercapacitance. Bulletin of the Chemical Society of Japan, 2019, 92, 521-528.	2.0	88
131	Nanoarchitectonics for Coordination Asymmetry and Related Chemistry. Bulletin of the Chemical Society of Japan, 2021, 94, 839-859.	2.0	88
132	Detection of the phase transition of Langmuir-Blodgett films on a quartz-crystal microbalance in an aqueous phase. Journal of the American Chemical Society, 1989, 111, 9190-9194.	6.6	87
133	Aligned 1-D Nanorods of a Ï€-Gelator Exhibit Molecular Orientation and Excitation Energy Transport Different from Entangled Fiber Networks. Journal of the American Chemical Society, 2014, 136, 8548-8551.	6.6	86
134	Mesoporous carbon cubes derived from fullerene crystals as a high rate performance electrode material for supercapacitors. Journal of Materials Chemistry A, 2019, 7, 12654-12660.	5.2	86
135	Assemblies of Biomaterials in Mesoporous Media. Journal of Nanoscience and Nanotechnology, 2006, 6, 1510-1532.	0.9	85
136	Coupling of soft technology (layer-by-layer assembly) with hard materials (mesoporous solids) to give hierarchic functional structures. Soft Matter, 2009, 5, 3562.	1.2	84
137	Hierarchic Nanostructure for Autoâ€Modulation of Material Release: Mesoporous Nanocompartment Films. Advanced Functional Materials, 2009, 19, 1792-1799.	7.8	83
138	Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. Journal of Materials Chemistry, 2010, 20, 1253-1260.	6.7	83
139	Coordination nanoarchitectonics at interfaces between supramolecular and materials chemistry. Coordination Chemistry Reviews, 2016, 320-321, 139-152.	9.5	82
140	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. ACS Nano, 2016, 10, 8796-8802.	7.3	82
141	Self-assembled microstructures of functional molecules. Current Opinion in Colloid and Interface Science, 2007, 12, 106-120.	3.4	81
142	Bridging the Difference to the Billionth-of-a-Meter Length Scale: How to Operate Nanoscopic Machines and Nanomaterials by Using Macroscopic Actions. Chemistry of Materials, 2014, 26, 519-532.	3.2	81
143	Mesoporous graphitic carbon microtubes derived from fullerene C₇₀tubes as a high performance electrode material for advanced supercapacitors. Journal of Materials Chemistry A, 2016, 4, 13899-13906.	5.2	81
144	Material Evolution with Nanotechnology, Nanoarchitectonics, and Materials Informatics: What will be the Next Paradigm Shift in Nanoporous Materials?. Advanced Materials, 2022, 34, e2107212.	11.1	81

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145	Foaming Properties of Monoglycerol Fatty Acid Esters in Nonpolar Oil Systems. Langmuir, 2006, 22, 8337-8345.	1.6	80
146	Carbon Nanosheets by Morphologyâ€Retained Carbonization of Twoâ€Dimensional Assembled Anisotropic Carbon Nanorings. Angewandte Chemie - International Edition, 2018, 57, 9679-9683.	7.2	80
147	Adaptive Liquid Interfacially Assembled Protein Nanosheets for Guiding Mesenchymal Stem Cell Fate. Advanced Materials, 2020, 32, e1905942.	11.1	80
148	Lowâ€Temperature Remediation of NO Catalyzed by Interleaved CuO Nanoplates. Advanced Materials, 2014, 26, 4481-4485.	11.1	79
149	Dynamic Breathing of CO₂ by Hydrotalcite. Journal of the American Chemical Society, 2013, 135, 18040-18043.	6.6	77
150	Activated interiors of clay nanotubes for agglomeration-tolerant automotive exhaust remediation. Journal of Materials Chemistry A, 2015, 3, 6614-6619.	5.2	77
151	Atom/molecular nanoarchitectonics for devices and related applications. Nano Today, 2019, 28, 100762.	6.2	77
152	Materials self-assembly and fabrication in confined spaces. Journal of Materials Chemistry, 2012, 22, 10389.	6.7	75
153	Dynamism of Supramolecular DNA/RNA Nanoarchitectonics: From Interlocked Structures to Molecular Machines. Bulletin of the Chemical Society of Japan, 2020, 93, 581-603.	2.0	75
154	There is still plenty of room for layer-by-layer assembly for constructing nanoarchitectonics-based materials and devices. Physical Chemistry Chemical Physics, 2022, 24, 4097-4115.	1.3	75
155	Nuclear Magnetic Resonance Signaling of Molecular Chiral Information Using an Achiral Reagent. Journal of the American Chemical Society, 2009, 131, 9494-9495.	6.6	74
156	Shape-Dependent Confinement in Ultrasmall Zero-, One-, and Two-Dimensional PbS Nanostructures. Journal of the American Chemical Society, 2009, 131, 11282-11283.	6.6	73
157	Emerging trends in metal-containing block copolymers: synthesis, self-assembly, and nanomanufacturing applications. Journal of Materials Chemistry C, 2013, 1, 2080.	2.7	73
158	Cobalt Oxide/Reduced Graphene Oxide Composite with Enhanced Electrochemical Supercapacitance Performance. Bulletin of the Chemical Society of Japan, 2017, 90, 955-962.	2.0	72
159	Phase Behavior of Monoglycerol Fatty Acid Esters in Nonpolar Oils:Â Reverse Rodlike Micelles at Elevated Temperatures. Journal of Physical Chemistry B, 2006, 110, 12266-12273.	1.2	70
160	Phase Behavior of Diglycerol Fatty Acid Estersâˆ’Nonpolar Oil Systems. Langmuir, 2006, 22, 1449-1454.	1.6	70
161	A Mechanically Controlled Indicator Displacement Assay. Angewandte Chemie - International Edition, 2012, 51, 9643-9646.	7.2	70
162	Supramolecular 1-D polymerization of DNA origami through a dynamic process at the 2-dimensionally confined airâ€“water interface. Physical Chemistry Chemical Physics, 2016, 18, 12576-12581.	1.3	70

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163	Activated Porous Carbon Spheres with Customized Mesopores through Assembly of Diblock Copolymers for Electrochemical Capacitor. ACS Applied Materials & Interfaces, 2017, 9, 18986-18993.	4.0	69
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